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REPORT

CD NO.

COUNTRY	USSR
SUBJECT	Economic; Technological - Electrical industry machine tools
HOW PUBLISHED	Daily newspapers
WHERE PUBLISHED	USSR
DATE PUBLISHED	20 Sep-30 Oct 1953
LANGUAGE	Russian, Uzbek

DATE OF INFORMATION 1953

DATE DIST. 9 MAR 1954

NO. OF PAGES 2

SUPPLEMENT TO  
REPORT NO.

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USSR EQUIPMENT FOR RURAL ELECTRIFICATION; NEW MACHINE SWITCH

ELECTRICAL PRODUCTS FOR RURAL REGIONS -- Baku, Bakinskiy Rabochiy, 20 Sep 53

The Baku Electrical Machinery Plant will ship about 1,000 electric motors, transformers, mobile generators, and other equipment to rural regions before the end of 1953. The plant ships its products to the Ukraine, Kazakhstan, Latvia, and Azerbaydhan.

BUILD TRANSFORMERS -- Moscow, Vechernyaya Moskva, 24 Sep 53

The Moscow Transformer Plant recently completed assembly of a large transformer for the Moscow-Kuybyshev transmission line 10 days ahead of schedule.

The plant has also shipped 60 transformers for rural electrification to Baranovich, Krasnodar, Chita, and other cities.

PRODUCES MOBILE GENERATORS, MOTORS -- Moscow, Moskovskiy Komsomolets, 24 Sep 53

The Moscow Electrical Machinery Plant of Glavsel'elektro (Main Administration of Rural Electrification), Ministry of Agriculture and Procurement USSR, has shipped 75 mobile generators and 21,000 motors for sheep shears to MTS, sovkhoses, and kolkhoses in 1953. Plant workers have pledged to produce above-plan 7,000 electric motors and 20,000 flexible shafts in 1953.

SHIP SYNCHRONOUS GENERATORS TO KOLKHOZ POWER STATIONS -- Leningradskaya Pravda,  
24 Sep 53.

Shop No 4 of the Leningrad Elektrosila Plant imeni S. M. Kirov makes equipment for rural electric power stations. In 1953, Shop No 4 has shipped a number

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of synchronous generators to the Ternopol', Vinnitsa, Armavir, Kaunas, Dagestanskaya ASSR, and Tyan'-Shan' offices of glav sel'elektro for the construction of kolkhoz electric power stations.

In September 1953, Shop No 4 will produce three synchronous generators for the construction of the Leninkenskaya Interkolkhoz GES, Azerbaydzhan SSR.

Moscow, Trud, 26 Sep 53

The Leningrad Elektrosila Plant imeni S. M. Kirov has built two 40-kilowatt generators for an interkolkhoz hydroelectric power station being built on the Ross' River near the village (seleniye) of Mironovka, Boguslavskiy Rayon, Kiyevskaya Oblast.

The three synchronous generators that the plant is building for the Leninkenskaya Interkolkhoz GES have a total capacity of over 1,000 kilovolt-amperes.

In the remainder of 1953, the plant will build dozens of generators for the electrification of kolkhozes.

DEVELOP PES-8 MOBILE GENERATOR -- Tashkent, Kizil Uzbekistan, 30 Oct 53

The Rostov-on-Don Machinery Plant, Ministry of State Farms USSR, produces the PES-8 mobile generator. This 8-kilowatt generator is powered by a 13-horsepower semidiesel engine, and weighs 820 kilograms. The semidiesel is started by lighting a saltpeter fuse in the hot bulb, and then cranking the engine three or four times.

DEVELOP SWITCH TO SAVE ELECTRIC POWER -- Moscow, Vechernyaya Moskva, 25 Sep 53

Engineers of the Moscow Fizpribor Plant have developed an automatic delta-star switching arrangement which improves the efficiency of alternating current motors used on machine tools, presses, cranes, winches, and other machines. When the motor is operating at full load, it is switched to the delta connection for maximum power. When it is operating with small loads, the motor is switched to the star connection, thus reducing electric power consumption.

Prolonged tests showed that this switch brings a 20-percent saving in electric power consumption, and raises the power factor of motors from 0.57 to 0.81.

The inventors of the switch estimate that by using their device, a plant can operate 30 percent more machines without increasing the size of its transformer substation. Widespread use of the new invention will make 260,000 kilowatts of electric power available in the USSR, without increasing generating capacity.

The Ministry of Electric Power Stations and Electrical Industry and the Ministry of Machine Building should help the inventors further the application of this switch.

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